COMBINATORICA
Akadémiai Kiadó – Springer-Verlag

COMBINATORICA **12** (4) (1992) 497–498

CONTENTS OF VOLUME 12

NUMBER 1

R. AHLSWEDE, N. CAI, Z. ZHANG: Diametric theorems in sequence spaces . . . 1
V. CHVÁTAL, C. MCDIARMID: Small transversals in hypergraphs . . . 19
W. COOK, M. HARTMANN, R. KANNAN, C. MCDIARMID: On integer points in polyhedra . . . 27
P. ERDŐS, R. L. GRAHAM, I. Z. RUZSA, H. TAYLOR: Bounds for arrays of dots with distinct slopes or lengths . . . 39
A. K. KELMANS: Spanning trees of extended graphs . . . 45
G. L. MILLER, V. RAMACHANDRAN: A new graph triconnectivity algorithm and its parallelization . . . 53
T. PISANSKI, T. W. TUCKER, D. WITTE: The non-orientable genus of some metacyclic groups . . . 77
A. POTT: New necessary conditions on the existence of abelian difference sets . . . 89
R. SUNDAR: On the Deque conjecture for the splay algorithm . . . 95

NUMBER 2

N. ALON, M. TARSI: Colorings and orientations of graphs . . . 125
I. BÁRÁNY, R. HOWE, L. LOVÁSZ: On integer points in polyhedra: a lower bound . . . 135
A. BLOKHUIS, Á. SERESS, H. A. WILBRINK: Characterization of complete exterior sets of conics . . . 143
D. M. JACKSON, L. B. RICHMOND: The asymptotic behaviour of the number of three-connected triangulations of the disk, with a reflective symmetry in a line . . . 149
J. KAHN, P. D. SEYMOUR: A fractional version of the Erdős–Faber–Lovász conjecture . . . 155
R. KANNAN: Lattice translates of a polytope and the Frobenius problem . . . 161
J. KÖRNER, G. SIMONYI, ZS. TUZA: Perfect couples of graphs . . . 179
K. MCAVANEY, J. ROBERTSON, W. WEBB: Ramsey partitions of integers and fair divisions . . . 193
P. MCMULLEN, E. SCHULTE: Regular polytopes of type $\{4,4,3\}$ and $\{4,4,4\}$ 203
P. PUDLÁK, V. RÖDL: A combinatorial approach to complexity . . . 221
T. SZŐNYI: Note on the existence of large minimal blocking sets in Galois planes . . . 227

NOTES

T. HIBI: Dual polytopes of rational convex polytopes . . . 237
GY. Y. KATONA: Searching for f-Hamiltonian circuits . . . 241

NUMBER 3

R. M. ADIN: Counting colorful multi-dimensional trees 247
B. ARONOV, H. EDELSBRUNNER, L. J. GUIBAS, M. SHARIR: The number of edges of many faces in a line segment arrangement 261
P. CHIU: Cubic Ramanujan graphs 275
P. L. ERDŐS, P. FRANKL, D. J. KLEITMAN, M. E. SAKS, L. A. SZÉKELY: Sharpening the LYM inequality 287
P. HAJNAL, M. SZEGEDY: On packing bipartite graphs 295
R. HOLZMAN, D. J. KLEITMAN: Sign vectors and unit vectors 303
T. D. PORTER: On a bottleneck bipartition conjecture of Erdős 317
W. T. RHEE, M. TALAGRAND: On the long edges in the shortest tour through n random points 323
W. T. RHEE, M. TALAGRAND: Packing random items of three colors 331
A. SALI: Some intersection theorems 351

NOTES

A. T. LISAN: Multi-dimensional Ramsey theorems — an example 363
D. MIKLÓS: Disproof of a conjecture in graph reconstruction theory 367

NUMBER 4

Tibor Gallai, 1912–1992 371
P. ERDŐS: In memory of Tibor Gallai 373
N. ALON, C. MCDIARMID, B. REED: Star arboricity 375
V. G. BOLTJANSKI, P. S. SOLTAN: A solution of Hadwiger's covering problem for zonoids 381
JIN-YI CAI, M. FÜRER, N. IMMERMAN: An optimal lower bound on the number of variables for graph identification 389
E. HRUSHOVSKI: Extending partial isomorphisms of graphs 411
J. KAHN: On a problem of Erdős and Lovász: random lines in a projective plane 417
S. L. MA: Reversible relative difference sets 425
E. W. MAYR, C. G. PLAXTON: On the spanning trees of weighted graphs . 433
N. NISAN: Pseudorandom generators for space-bounded computation 449
H. J. PRÖMEL, A. STEGER: The asymptotic number of graphs not containing a fixed color-critical subgraph 463
T. STEHLING: On computing the number of subgroups of a finite Abelian group 475
C. THOMASSEN: The Hadwiger number of infinite vertex-transitive graphs .. 481

NOTE

P. FRANKL: The convex hull of antichains in posets 493
Contents of Volume 12 497
Author Index for Volume 12 499